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specific identity of *A. linarius* and *rufescens*, says, that—"le Sizerin boréal (*Linaria borealis*) de Vieillot forme une espèce distincte"—from *A. rufescens*—"identique de mon Gros-bec boréal de l'article précédent, mais auquel on ne doit pas réunir le Sizerin ou le Cabaret des auteurs, deux dénominations synonymes de mon Gros-bec sizerin ou *Fringilla linaria* des méthodistes;" clearly mis-identifying Vieillot's bird. In discussing Temminck's names of the *Ægithi*, it must be borne in mind that he sturdily refuses to admit the specific distinction of *A. linarius* and *rufescens*. He moreover places as a synonym of his *Fringilla borealis*, the "Holbölls Leinfink" of Brehm, which later ornithologists, with what propriety I am unable to say, regard as a distinct species.

Borealis of Temminck has priority over both *canescens* Gould, and *Hornemanni* Holb.; but as the name was previously applied by Vieillot to the *A. linarius*, it cannot of course be retained.

This name *borealis* has been applied by four authors to as many different species, for neither of which it can stand. *Borealis* Vieillot, is the *A. linarius* (Linn.) Cab.; *borealis* Schlegel, is the *A. Holböllli* (Brehm) Cab.; *borealis* Temminck, is the *A. canescens* (Gould) Cab.; while *borealis* "Temm." of Audubon is the *A. exilipes* Coues.

Dec. 3d.

Mr. LEA, President, in the Chair.

Twenty-two members present.

The following papers were presented for publication:

A revision of the species of *Baculites* described in Dr. Morton's Synopsis of the Cretaceous Group of the United States, by Wm. M. Gabb.

On *Squalus Americanus* Mitchell, referring it to the genus *Odonaspis* Agassiz, by C. C. Abbott.

Descriptions of the lower Silurian, Jurassic, Cretaceous and Tertiary Fossils collected in Nebraska by the Exploring Expedition under the command of Capt. W. F. Reynolds, U. S. Top. Eng., with some remarks on the rocks from which they were obtained, by F. B. Meek and F. V. Hayden, M. D.

Dec. 10th.

Mr. LEA, President, in the Chair.

Thirty-four members present.

The following papers were presented for publication:

Descriptions of new Paleozoic Fossils from Kentucky and Indiana, by Sidney S. Lyon.

On the Mollusca of Harper's Ferry, Virginia, by George W. Tryon, jr.

Dec. 17th.

Mr. LEA, President, in the Chair.

Twenty-seven members present.

A paper was presented for publication, entitled,

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Descriptions of three new species of Mollusca, of the genus *Sphærium*, by Temple Prime.

Dec. 24th.

Mr. LEA, President, in the Chair.

Nineteen members present.

The following papers were presented for publication :

Description of a new Quadrumanous Mammal, of the genus *Midas*, by J. H. Slack, M. D.

Description of new Plants from Texas, by S. B. Buckley.

On the genera *Panolopus*, *Centropyx*, *Aristelliger* and *Sphærodactylus*, by E. D. Cope.

Descriptions of eleven new species of the genus *Unio* from the United States, by Isaac Lea.

Descriptions of seven new species of the genus *Io*, by Isaac Lea.

Monograph of the species of *Sphærium* of North and South America, by Temple Prime.

Synopsis of the recent species of *Gastrochænidæ*, by George W. Tryon.

Synopsis of the *Selaginoids*, by Theodore Gill.

Synopsis of the *Notothenioids*, by Theodore Gill.

Synopsis of the *Harpagiferoids*, by Theodore Gill.

Synopsis of the *Chænichthyoids*, by Theodore Gill.

Dr. Slack presented for examination a Guide to the Collection of the Academy, to be printed for sale at the door of the Academy.

Dec. 31st.

Mr. LEA, President, in the Chair.

Thirty members present.

On report of the respective committees, the following papers were ordered to be printed in the Proceedings :—

Descriptions of Eleven New Species of the genus UNIO from the United States.

BY ISAAC LEA.

UNIO SQUAMEUS.—Testâ lævi, suboblongâ, valdè compressâ, inæquilaterali, posticè obtusè angulatâ, anticè rotundatâ; valvulis subcrassis, anticè paulisper crassioribus; natibus prominulis; epidermide vel rufo-fuscâ vel tenebroso-fuscâ, striatâ, infernè squamosâ, obsoletè radiatâ; dentibus cardinalibus subgrandibus, compressis, striatis, in utroque valvulo subduplicibus; lateralibus prælongis, lamellatis, obliquis subrectisque; margaritâ albâ et valdè iridescente.

Hab.—North Carolina. J. G. Anthony.

UNIO ROSTRUM.—Testâ lævi, subtriangulari, ad latere planulatâ, valdè inæquilaterali, posticè subbiangulatâ, anticè rotundâ; valvulis crassiusculis, anticè paulisper crassioribus; natibus prominulis; epidermide tenebroso-fuscâ, nigricante, eradiatâ; dentibus cardinalibus parvis, sulcatis, crenulatis, in utroque valvulo duplicibus; lateralibus longis, lamellatis subcurvisque; margaritâ albidâ et iridescente.

Hab.—Davidson County, North Carolina. F. A. Genth, M. D.

1861.]